Application/Control Number: 09/760,189

Art Unit: ***

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i. (Amended). A flood dispension, compatising.

 a boosing having an internal chamber, said housing computing;

(3) an user for receiving a fluid pressure into each transing and being in fluid communication with ratio internal chamber; and

(2) a dischange part through which third product may exit said housing, said discharge part having an interior stuffact and being in fluxi communication with said internal disamber; and

b. a valetag red disposed in soid housing and bring neverale within some previous character between an open position, in which field product may fixer directly soid internal character and rail and branking via sold discharge part, and a closed position, in which field product is subscarately prevented from moving through sold internal character, sold valving red computating.

(E) a sectiful boss.

(2) at least one into the excising a charring solvent, and into freing as faste communication with said base, and

(S) one or more until pears in finite communication with said

bene, said entire pears being enputs of givering resource softent
matically outwards from said biffit and available said interface surface of
said discourse pear when said valeting rod is to said closed position
to institute the remarkal of at least a portion of any finite product or
deducations thereof that may be to adherence with said interior
surface of said discourse pear.

 The fixed dispenser of claim 1, wherein said imaging has a longitudinal zon;

seed hore of sood volving root in substantially aligned with sold longitudinal inti; and

and rabing not translates between said open and closed positions along said lengthedinal unix.

Claim 3 is canceled

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4. The Sold dispersor of claim: 1, wherein said housing further comprises an internal inservelr to obtain clearing solvent may be the contained, each internal reservoir being to fluid communication with said at least one inter two said central base of said valding said.

 The Suid dispenser of claim 4, wherein at least a portion of said valeing and is provable through sold internal reservoir.

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- 6. The finit dispenser of chain 4, wherein said housing has at least one min in finit communication with said internal reservoir so that disming salural from an external source may be added to said inservoir as needed.
- 25 7. The fluid dispersor of claim 6, for the training a medianism to apply a pressure maging from about 2 to about 12 pet to sold lexernal reservoir.
 - 8. The fluid dispension of claim 1, wherein east dispension is adapted to dispension a facility product extrated from polyols, isocyaniates, and mixtures of polycis and isocyaniates.
- 5 G. The Built dispenses of claim 4, wherein said cleaning solvent is scircted from gigents, others, and mixtures of glyrods and effects.

(0) [Amended] As apparatus for dispensing fluid into feedble containers and enclosing the fluid within the containers, comprising:

- a. a mechanism that conveys a web of film stong a prodetermined push of transl, sold film ords computating two juntuposed plies of plastic film that define a partially formed fireful container:
- b. a dispenser through which a finit product may five in productioned amounts, said dispenser positioned adjacets the travel path of the film web such that said dispenser can dispense finit product into the cortially-formed flexible container, said dispenser comprising.
 - $\label{eq:constraint} (1) = a \ \text{bounding having an inversal chamber, said housing temperature}.$

he an index for receiving a fixed present two said increase and being in fand communication with sold internal changes and

for a discharge port through which find profiles may our said housing, said discharge port having on housing surface and being to fluid economication with said totaxon dismiss; and

(i) a valeing red disposed in sold housing and bring movable wasse said incurred character between an open position. In which find product may flow through said selected charaker and call said housing via said discharge port, and a closed position, in which field product is substantially prevented from flowing through said internal character, said valeing and comprising.

tal a contrat bare.

juj at least one into the exceeding a electring softent, said take hang in fleid communication with said bore, and

tel use ar mone putter parts in fluid cremmunication with

Said bare, usid author parts being expelde of directors; classing

somule salidity animands from soid bare and against said interior

surface of sast discharge part when sast valving not is in said viasod pention to lacibiate the removal of at basic a portion of any fluid product or derivatives thereof that may be in adherence with said interior surface of said discharge port:

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c. one or name derives for scaling the piles of plastic film tagether to complete the partially formed container, thereby enclosing the failed product therein.

11. The apparatus of claim 10, wherein each dispenser housing has a longitudical axis: and here of and valuing sed is substantially digited with and

O longitudessi axus; aad

sold calong red translates between and open and choos positions along said longitudinal com-

Claim 12 is canceled

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- 15. The apparatus of claim 10, wherein said dispenser housing further comprises an interest reservoir in which channed solvens may be remained, said informal reservoir being in third communication with said at least one tube and east central bore of said valving rod.
- 14. The apparatus of claim 13, wherein at least a portion of said vilving not is movable through said internal reservoir.
- 15. The appearance of claim 13, wherein and housing has at least one index in field communication with and transmit received so that clearing soften from an external scarce may be added to said reservoir as needed.
- 16. The apparatus of claim 15, further including a nectionism to apply a pressure ranging from about 2 to about 12 pai to said internal reservor.
- 17. The apparaisas of stains 10, wherein said dispenser is adapted in dispense a finit product selected from polycla, tourywrates, and mixtures of polycla and isocyaniates.
- 18. The apparatus of claim 10, wherein:

said beasing inter in finid communication with said informal chamber comprises a limit tolet in limit communication with a first finid product computing one or more popular.

said bousing comprises a record truct in Built communication with said internal chamber and with a second fluid product comprising one or more integranates; and

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When said valving rod is in said open position, the polyole and isocranance are usual to said meetnal character and dispensed into the partially-formed flatible container.

19. The apparatus of claim 13, wherein said claiming abbent is selected from globals, others, and industries of glycols and ethers.

20. A fixed dispenser, comprising:

- a. a tuniong comprising
- (1) an inlet for receiving a fluid product into sold bousing.
 (2) an internal chamber disposed within sold housing and being in fluid remnamication with sold inlet, and
- (3) a discharge port through which fluid product may exit said because, and discharge port being to fluid communication with said internal chamber, and
- (4) an internal reservoir in which cleaning solvent may be contained, said reservoir being disposal within said housing and positioned adjacent said incrmal chamber;
- b. a valving not disposed in said housing and movible within said internal chamber and said internal reservoir between an open passion, to which had product may few through said bostnal chamber and eath said housing via said discharge perf, and a closed position, in which had product as substantially provided from through trough said teached chamber; and
- a conduit providing finid communication between sold internal reservoir and sold discharge part in tidirer cleaning abbent to each discharge part, sold conduit positioned externally of sold informat chamber.

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